

Case No. : <u>GTS20241129021-2-02</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2025.3.6</u>	Test Engineer: <u>Evan ouyang</u>

Appendix A.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.915	2401.544	2402.459	---	---
		2441	0.897	2440.553	2441.450	---	---
		2480	0.927	2479.556	2480.483	---	---
2DH1	Ant1	2402	1.431	2401.268	2402.699	---	---
		2441	1.428	2440.265	2441.693	---	---
		2480	1.434	2479.265	2480.699	---	---
3DH1	Ant1	2402	1.407	2401.295	2402.702	---	---
		2441	1.422	2440.274	2441.696	---	---
		2480	1.419	2479.268	2480.687	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



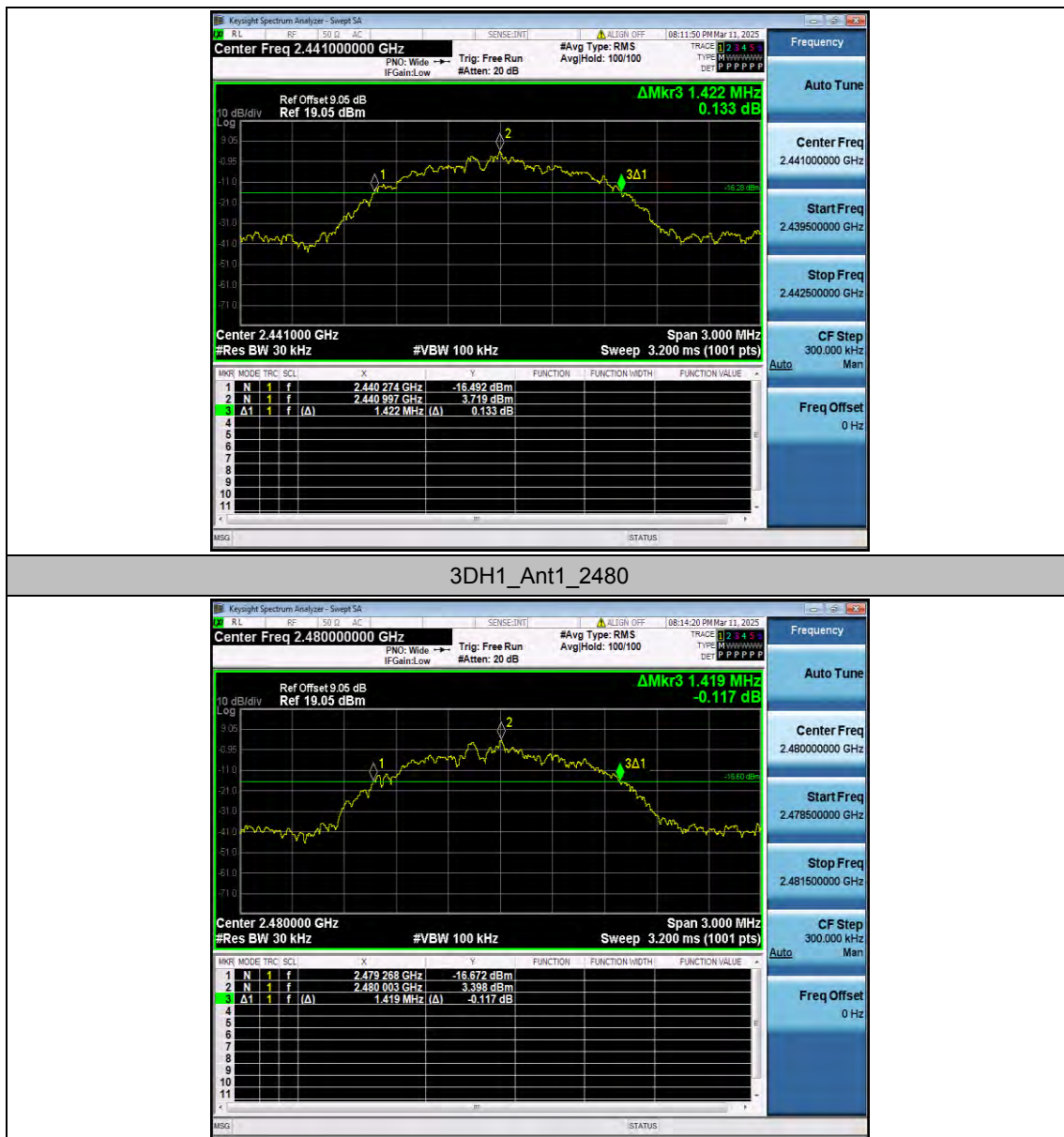
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.85508	2401.5748	2402.4299	---	---
		2441	0.87729	2440.5626	2441.4399	---	---
		2480	0.85871	2479.5666	2480.4253	---	---
2DH1	Ant1	2402	1.3447	2401.3204	2402.6651	---	---
		2441	1.3422	2440.3232	2441.6654	---	---
		2480	1.3253	2479.3274	2480.6527	---	---
3DH1	Ant1	2402	1.3347	2401.3292	2402.6639	---	---
		2441	1.3328	2440.3301	2441.6629	---	---
		2480	1.3408	2479.3226	2480.6634	---	---

Test Graphs

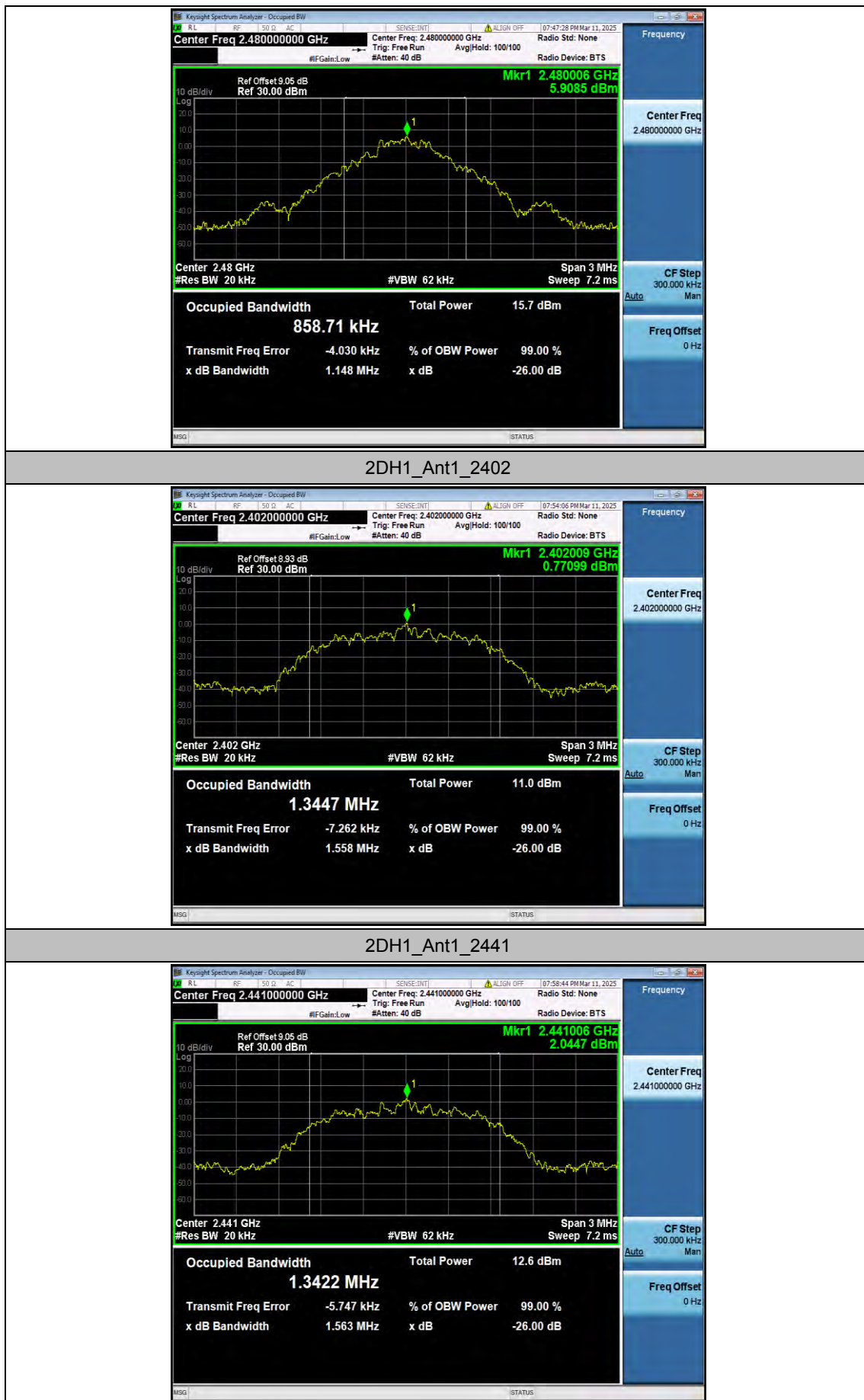
DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



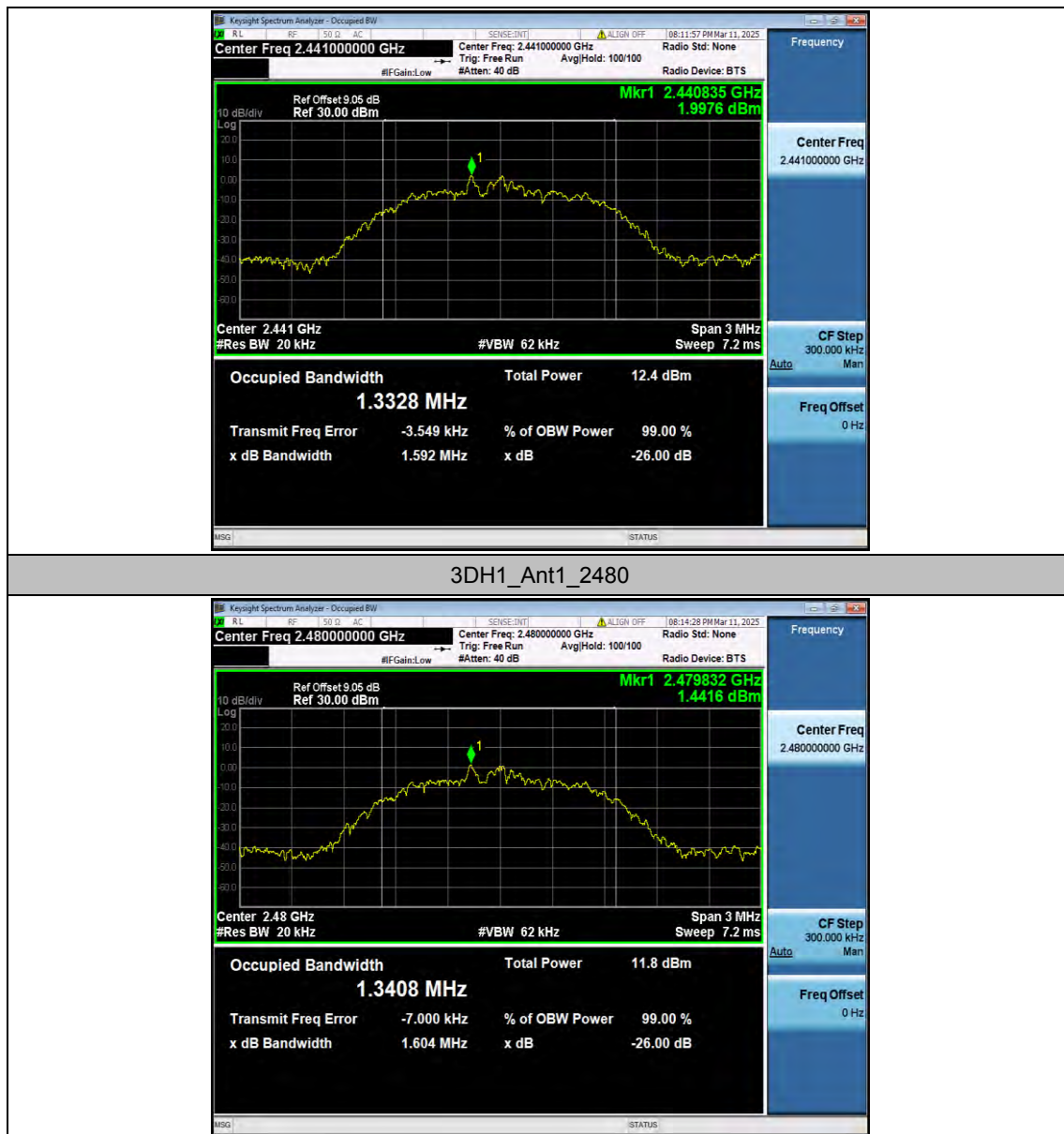
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



Appendix A.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant1	2402	8.03	≤20.97	PASS
		2441	11.97	≤20.97	PASS
		2480	11.72	≤20.97	PASS
2DH1	Ant1	2402	6.43	≤20.97	PASS
		2441	7.88	≤20.97	PASS
		2480	7.28	≤20.97	PASS
3DH1	Ant1	2402	6.54	≤20.97	PASS
		2441	8.08	≤20.97	PASS
		2480	7.50	≤20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	0.988	≥ 0.618	PASS
		Hop_2441	0.838	≥ 0.618	PASS
		Hop_2480	1.01	≥ 0.618	PASS
2DH1	Ant1	Hop_2402	1.006	≥ 0.956	PASS
		Hop_2441	1.004	≥ 0.956	PASS
		Hop_2480	1.038	≥ 0.956	PASS
3DH1	Ant1	Hop_2402	1	≥ 0.948	PASS
		Hop_2441	1.012	≥ 0.948	PASS
		Hop_2480	1.166	≥ 0.948	PASS

Test Graphs

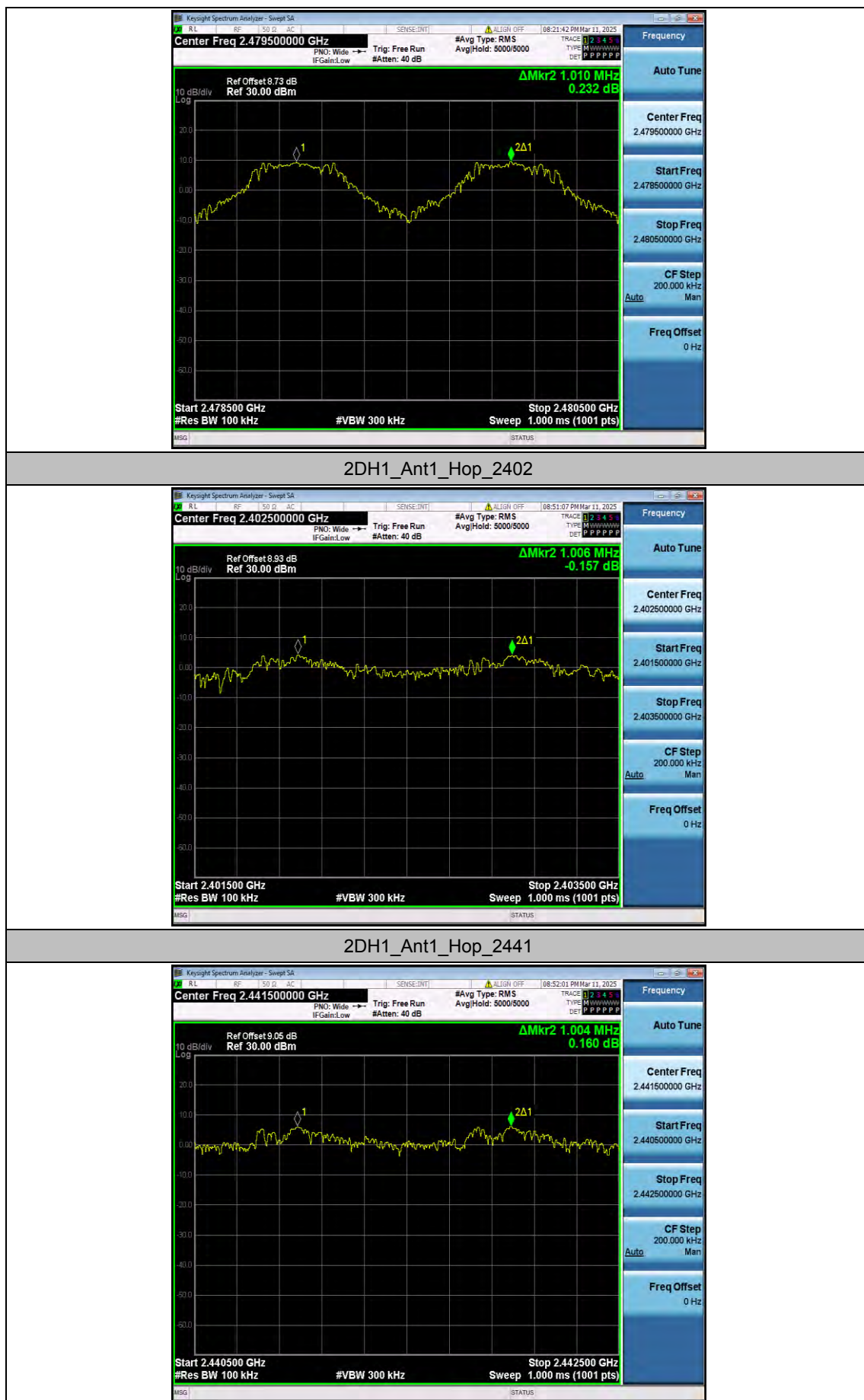
DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



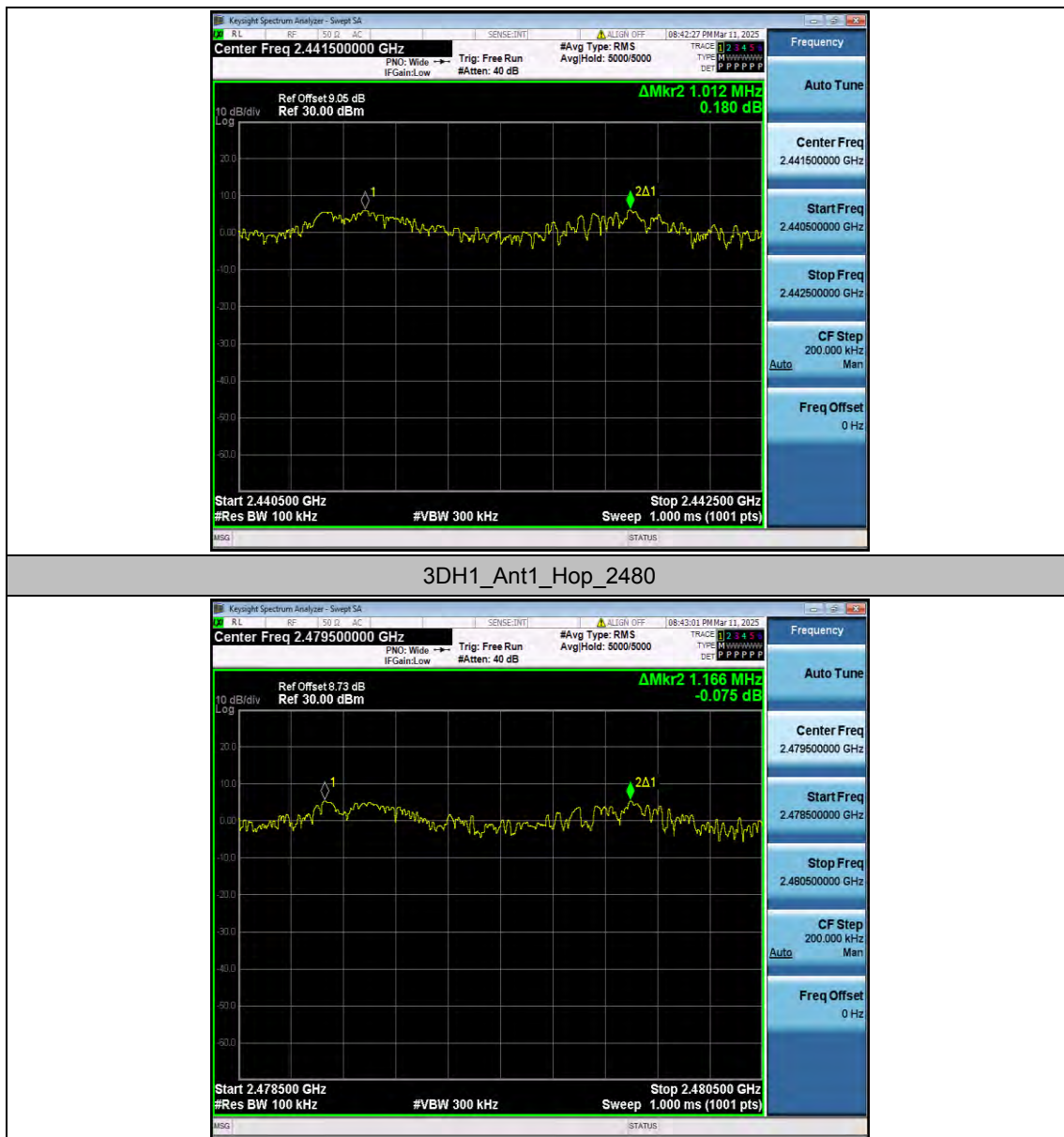
2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441

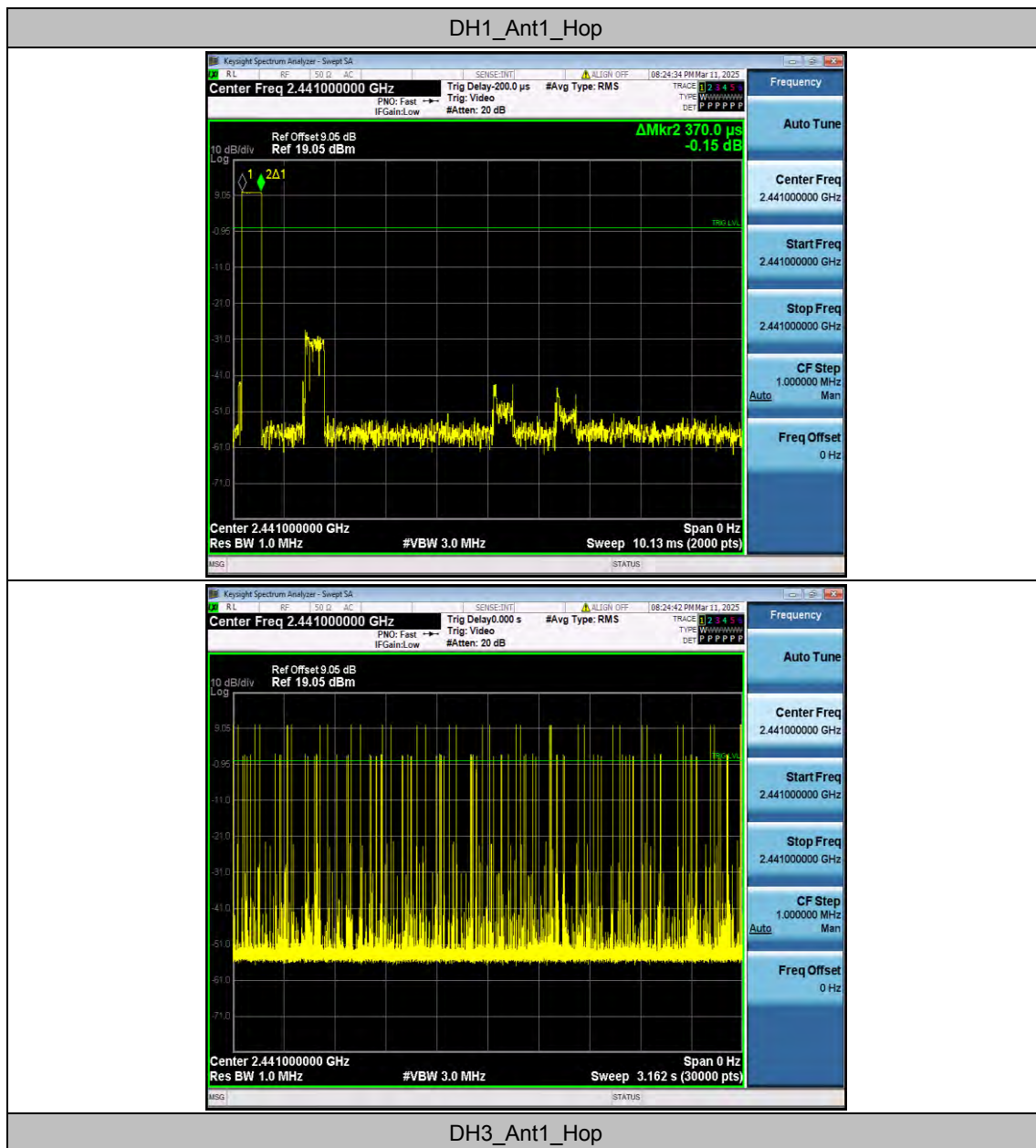


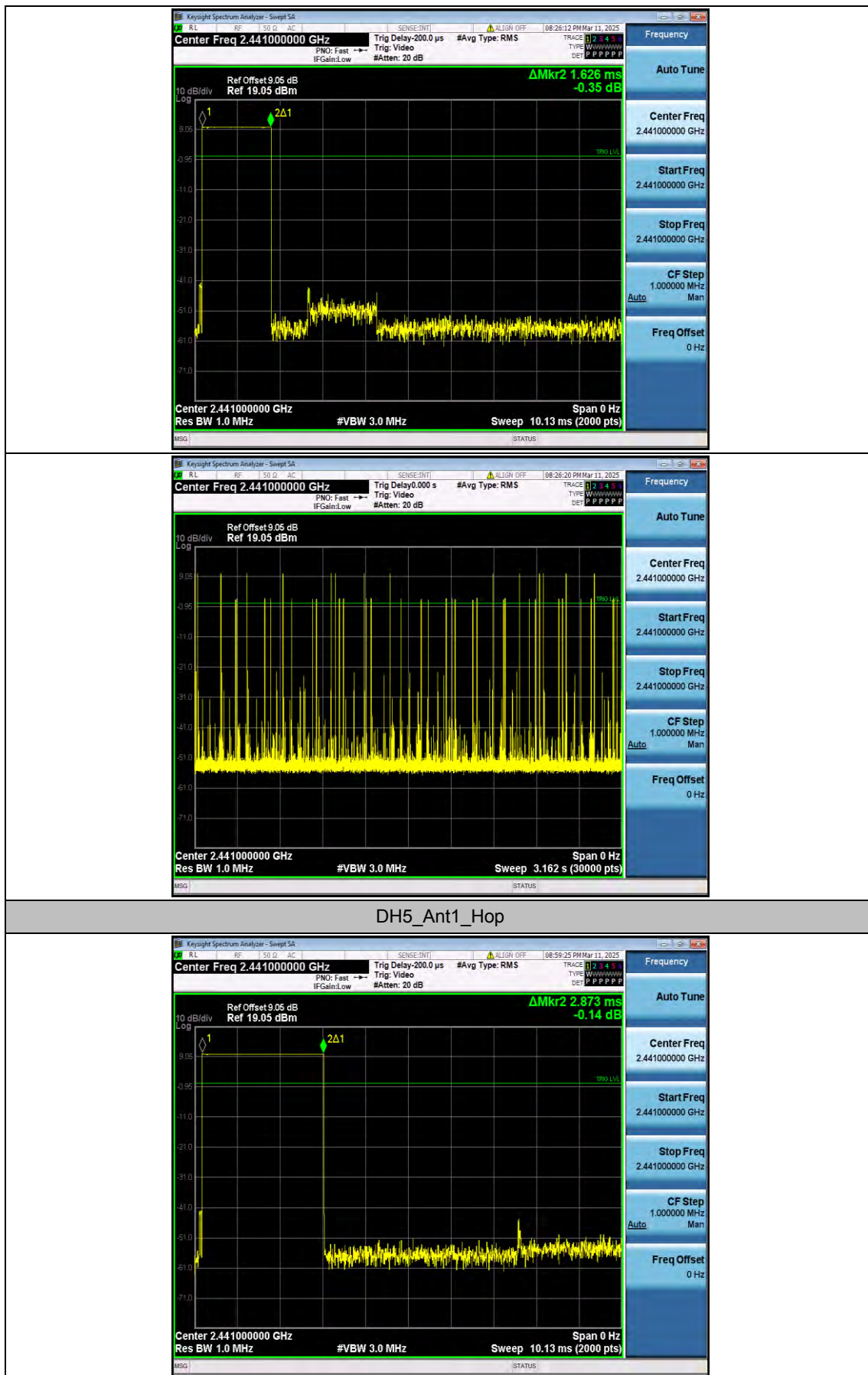
Appendix A.5: Time of occupancy

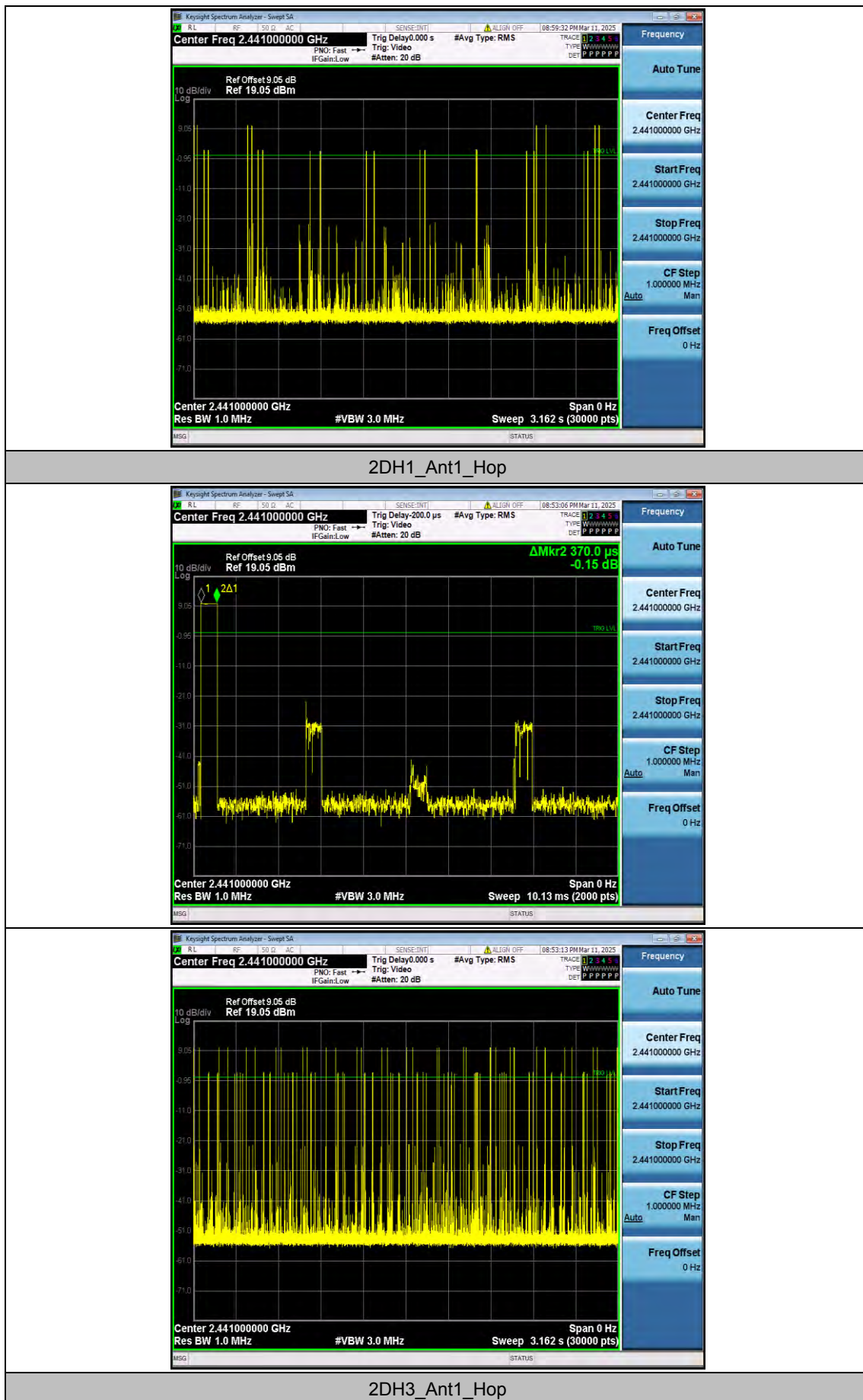
Test Result

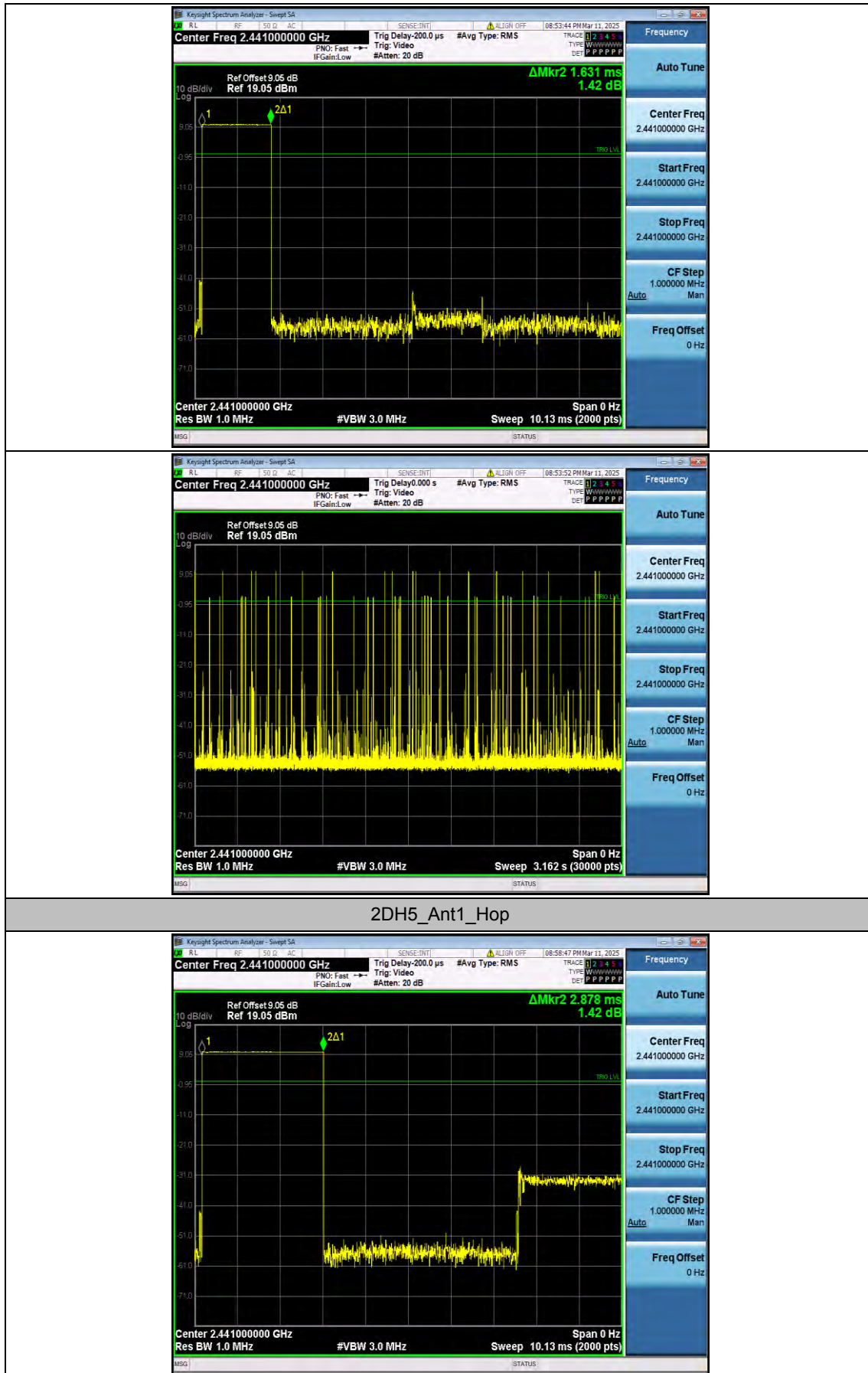
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.370	330	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.626	150	0.244	≤0.4	PASS
DH5	Ant1	Hop	2.873	80	0.23	≤0.4	PASS
2DH1	Ant1	Hop	0.370	330	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.631	200	0.326	≤0.4	PASS
2DH5	Ant1	Hop	2.878	80	0.23	≤0.4	PASS
3DH1	Ant1	Hop	0.375	320	0.12	≤0.4	PASS
3DH3	Ant1	Hop	1.626	200	0.325	≤0.4	PASS
3DH5	Ant1	Hop	2.878	80	0.23	≤0.4	PASS

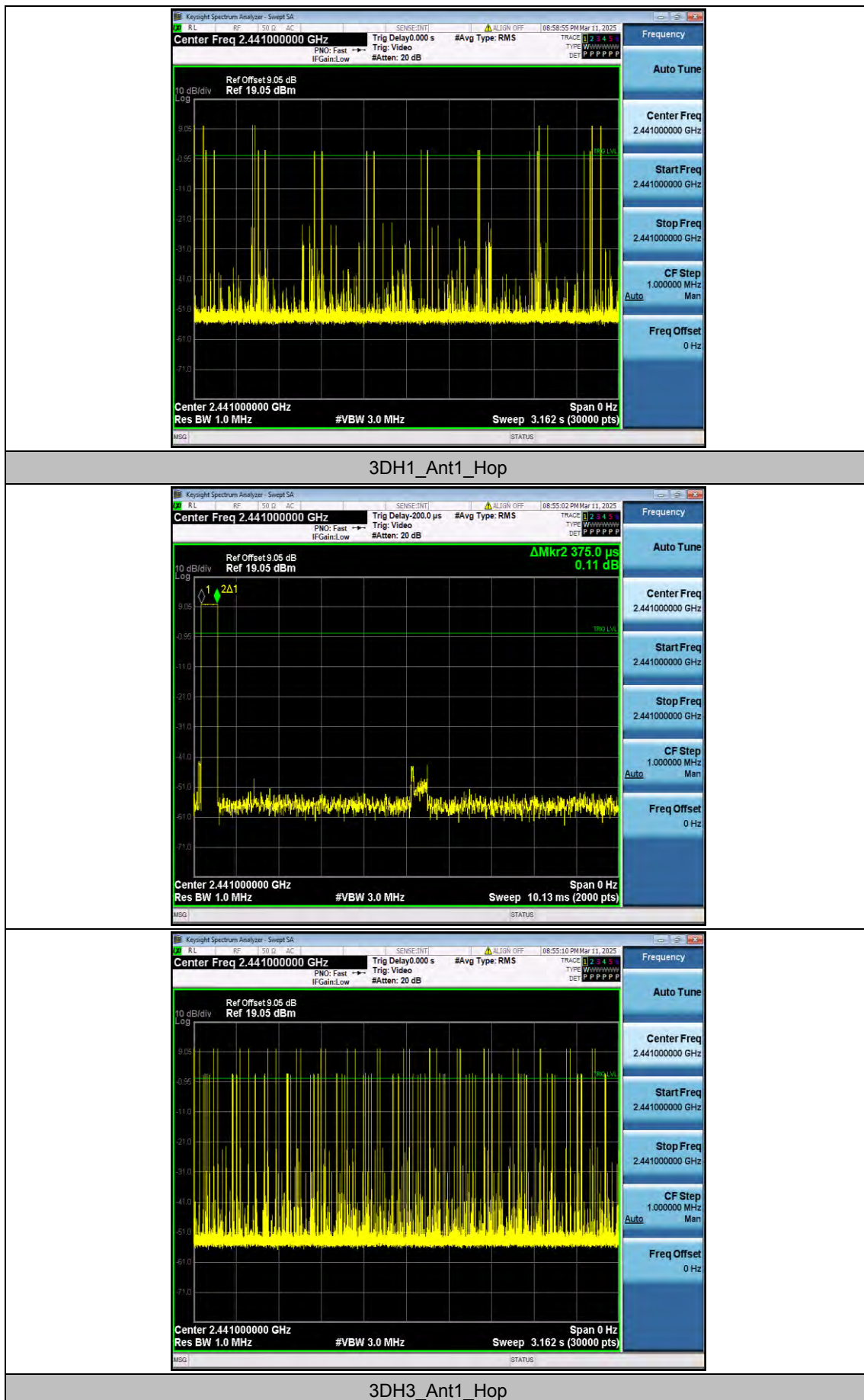
Test Graphs

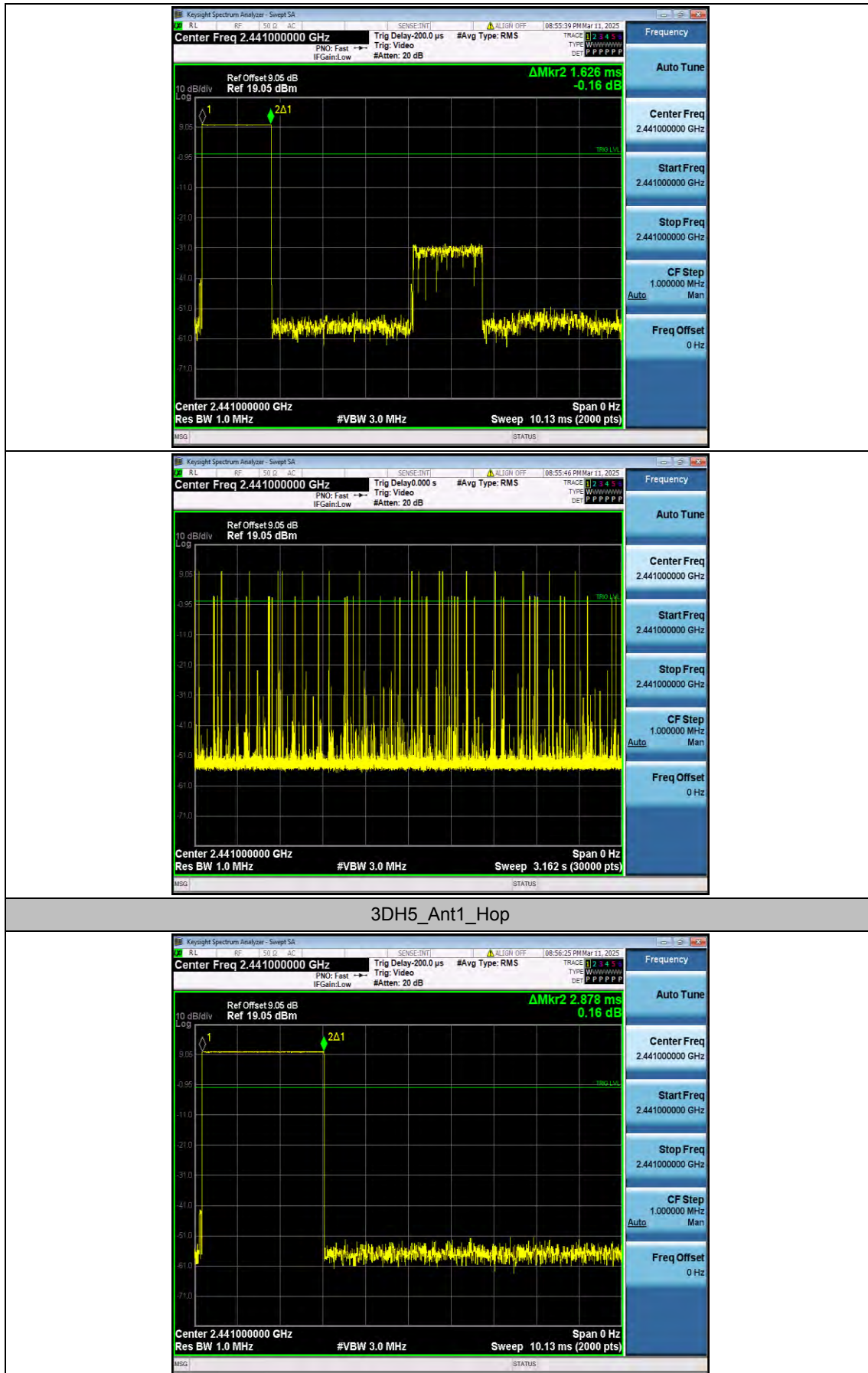


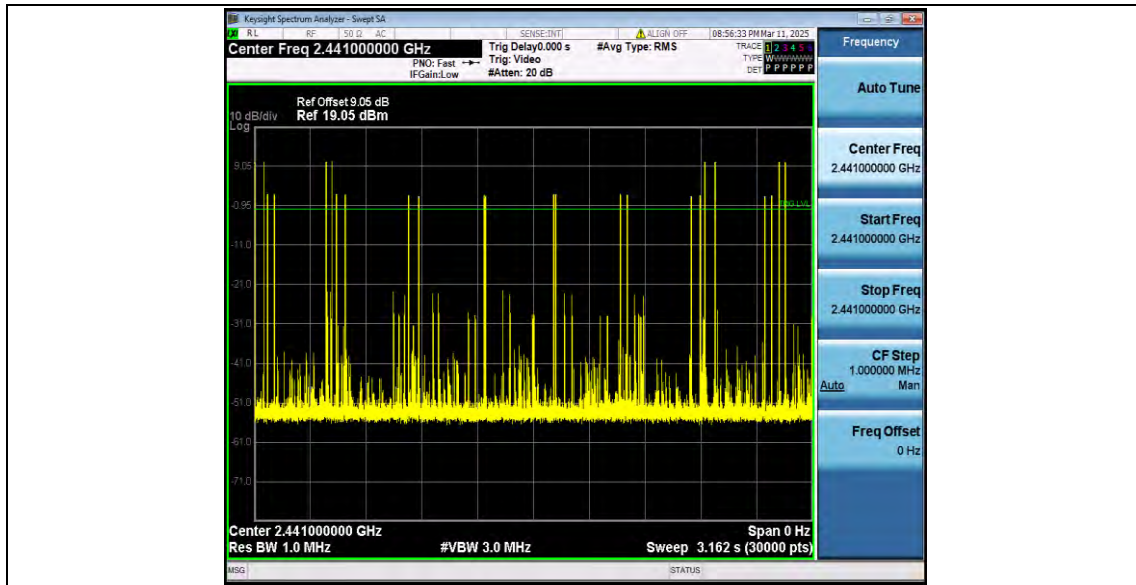










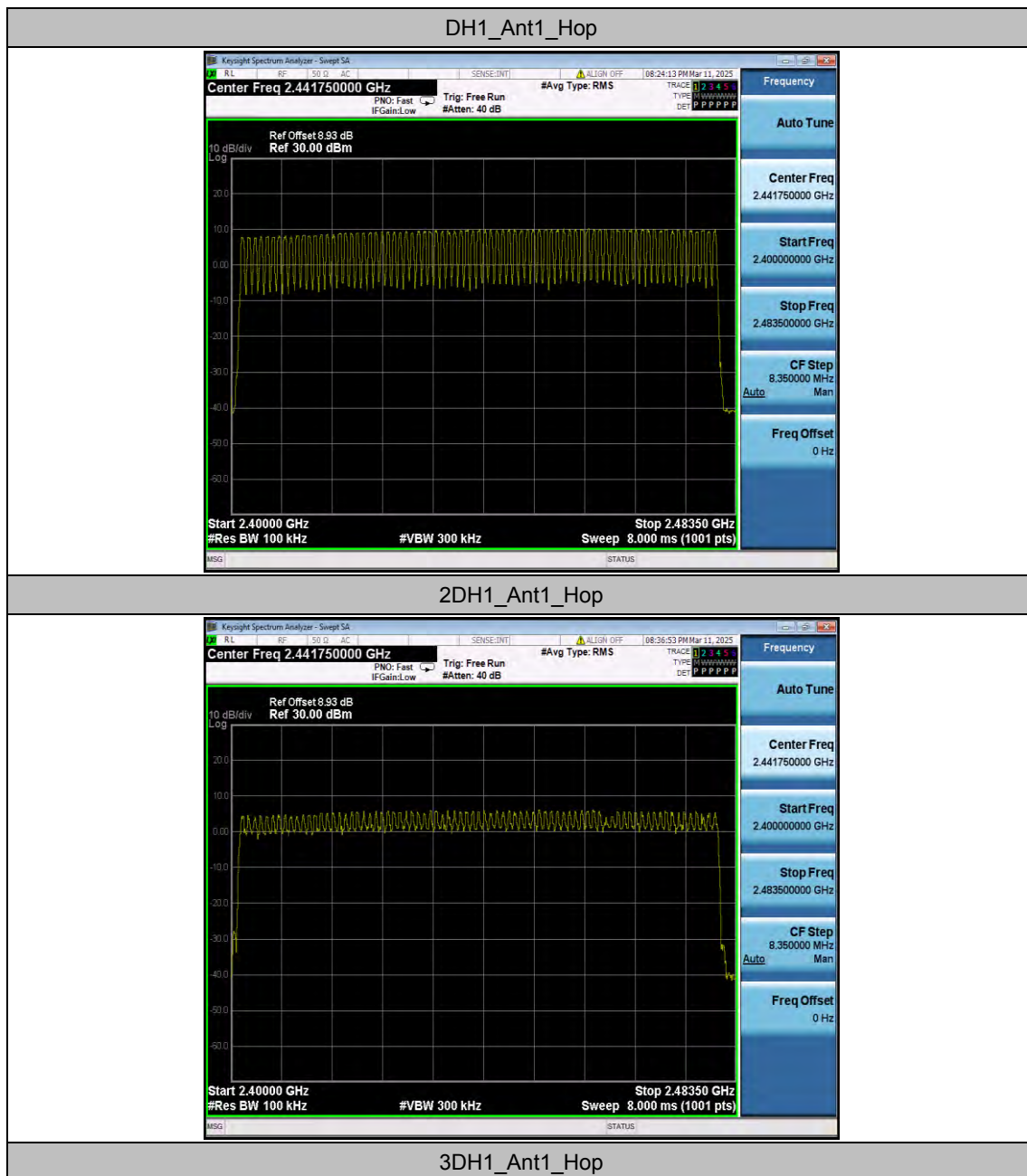


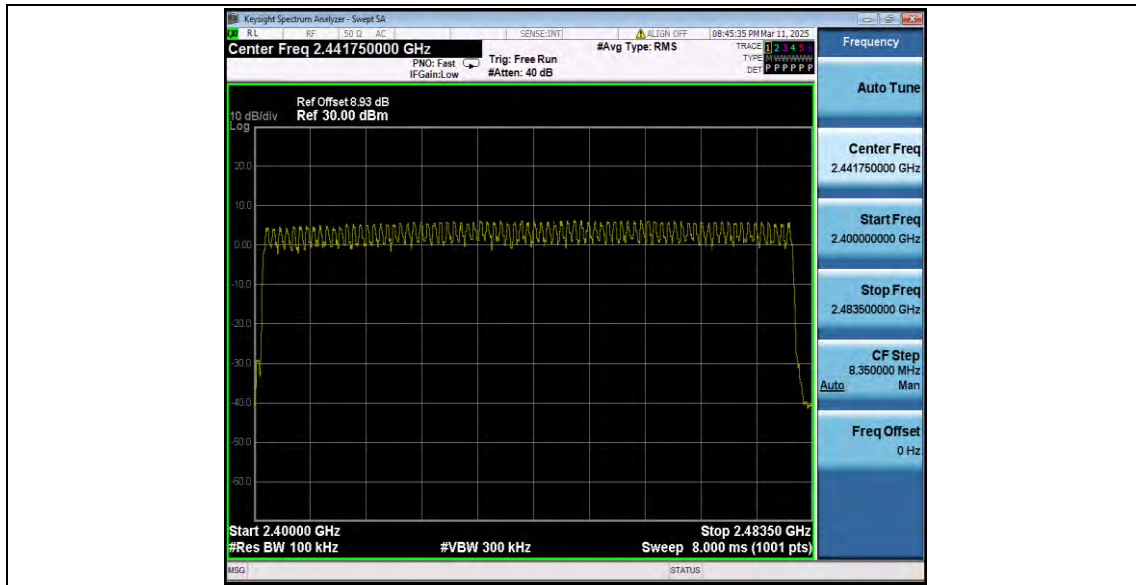
Appendix A.6: Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs





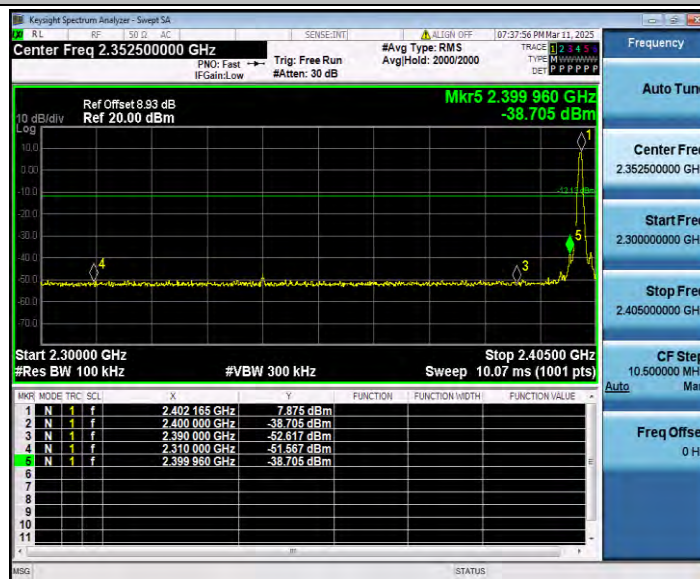
Appendix A.7: Band edge measurements

Test Result

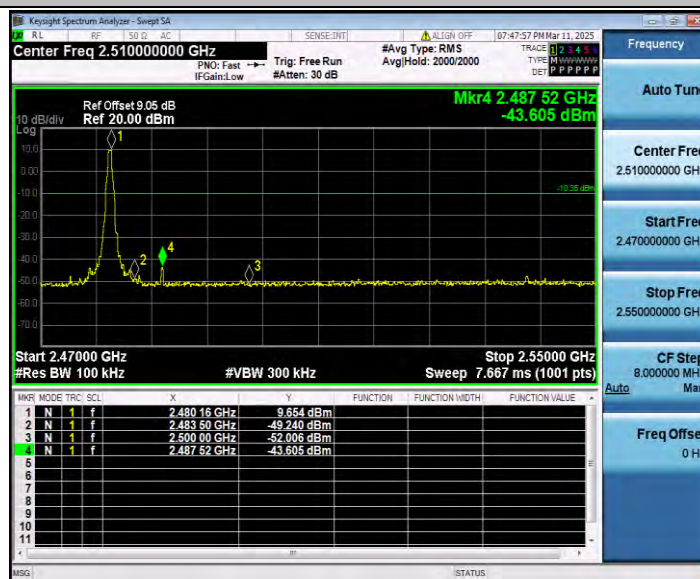
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	7.88	-38.71	≤ -12.13	PASS
		High	2480	9.65	-43.61	≤ -10.35	PASS
		Low	Hop_2402	7.54	-40.24	≤ -12.46	PASS
		High	Hop_2480	10.19	-46.82	≤ -9.82	PASS
2DH1	Ant1	Low	2402	4.33	-38.96	≤ -15.67	PASS
		High	2480	5.12	-42.86	≤ -14.88	PASS
		Low	Hop_2402	4.29	-40.32	≤ -15.71	PASS
		High	Hop_2480	5.40	-47.2	≤ -14.6	PASS
3DH1	Ant1	Low	2402	4.35	-38.88	≤ -15.65	PASS
		High	2480	5.16	-42.69	≤ -14.85	PASS
		Low	Hop_2402	4.10	-42.19	≤ -15.9	PASS
		High	Hop_2480	5.39	-46.72	≤ -14.61	PASS

Test Graphs

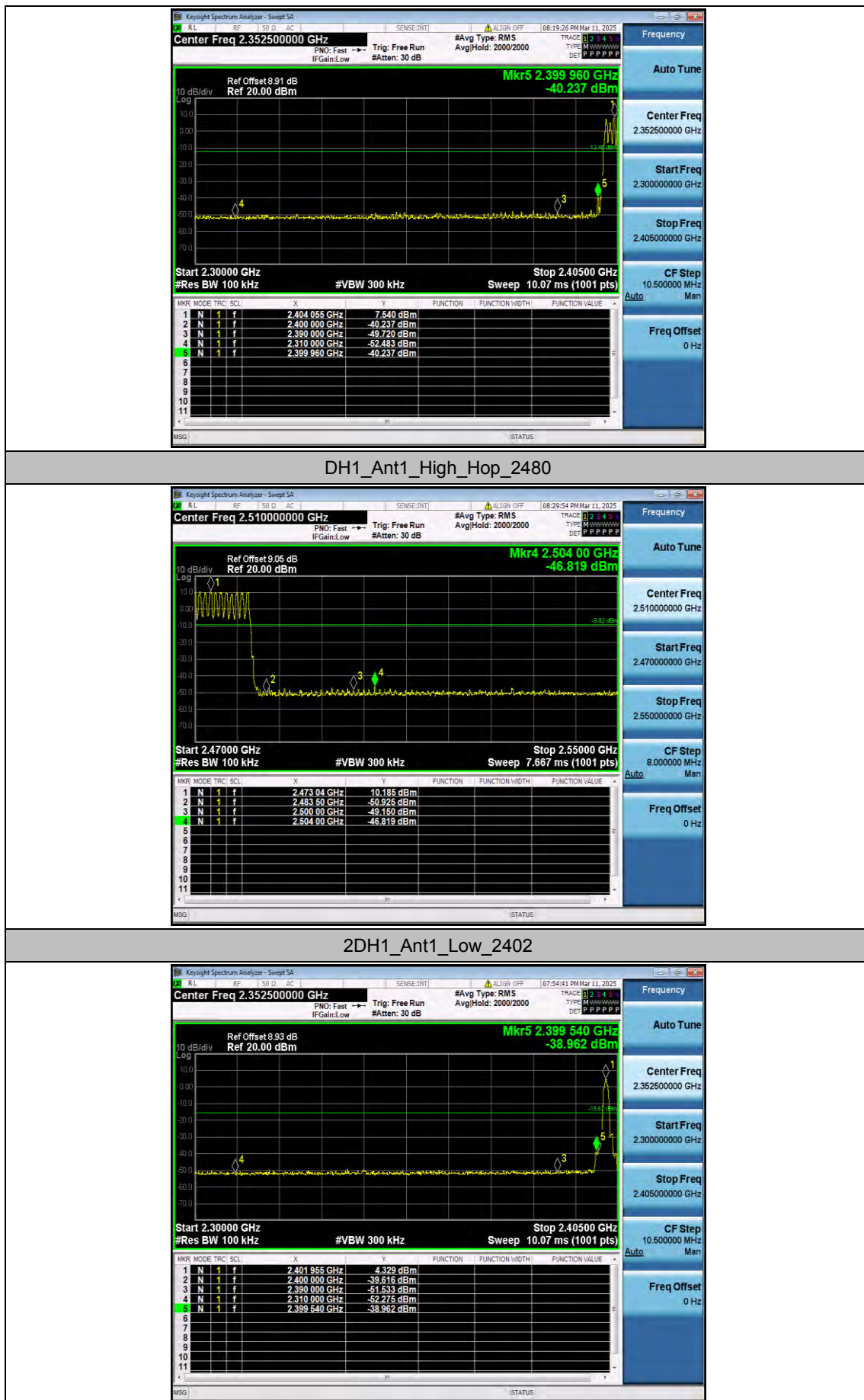
DH1_Ant1_Low_2402



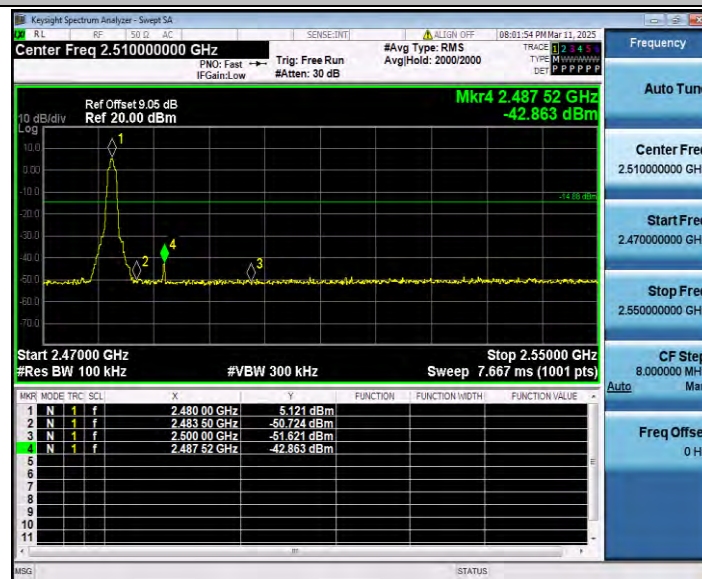
DH1_Ant1_High_2480



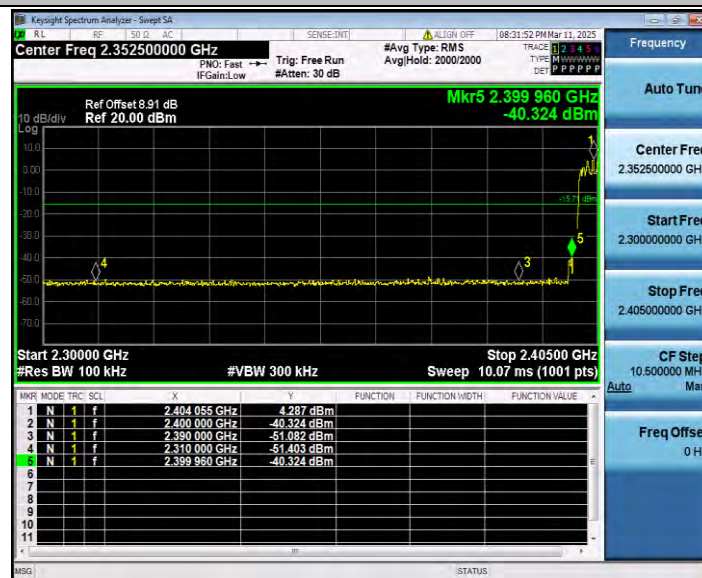
DH1_Ant1_Low_Hop_2402



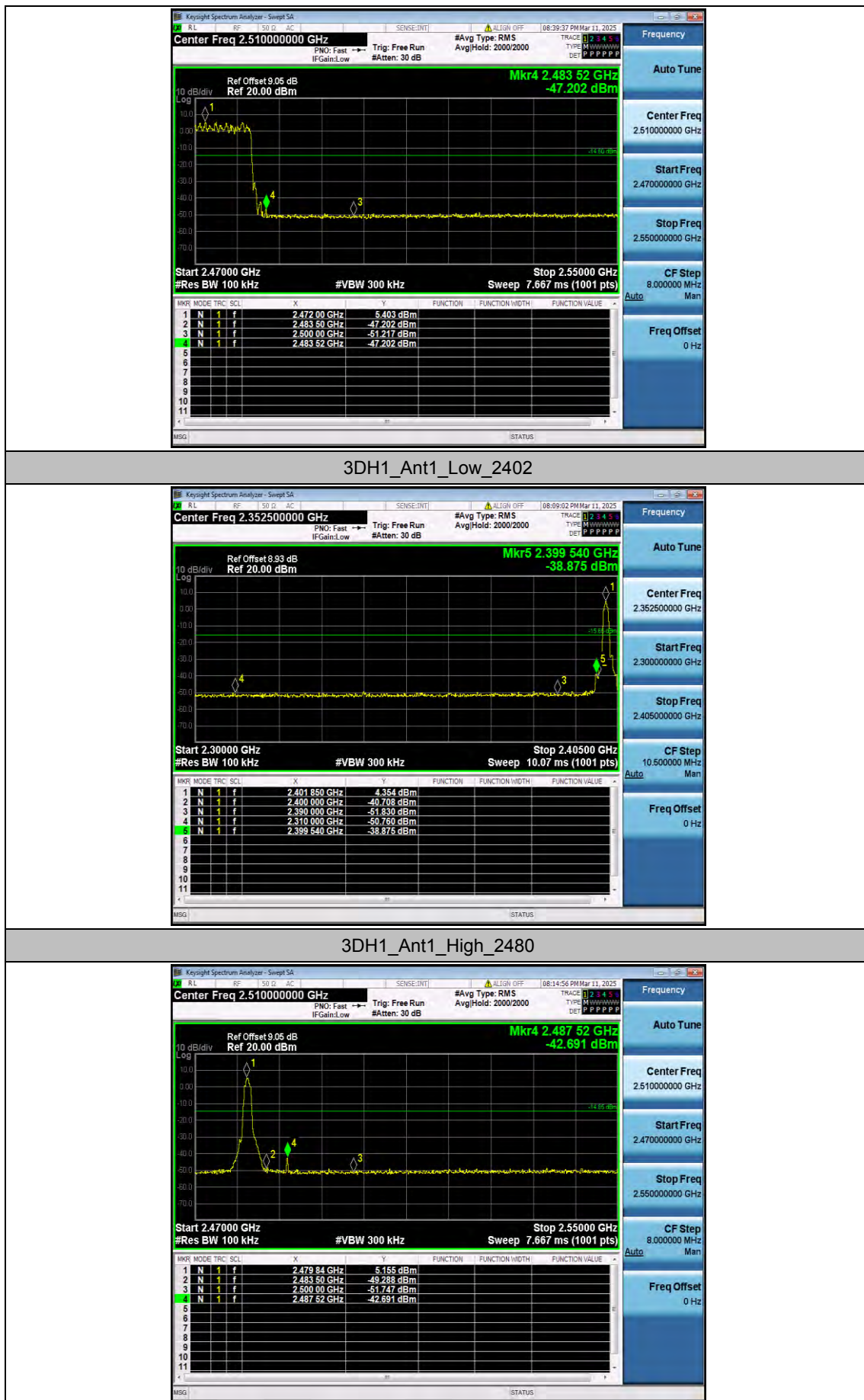
2DH1_Ant1_High_2480



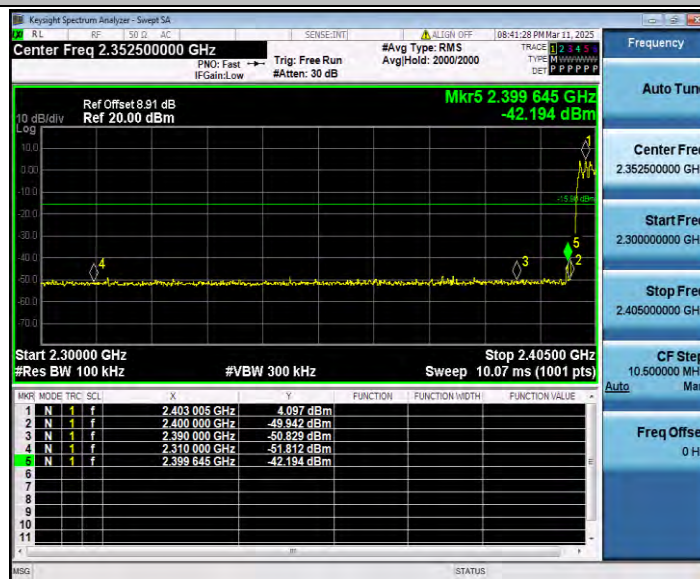
2DH1_Ant1_Low_Hop_2402



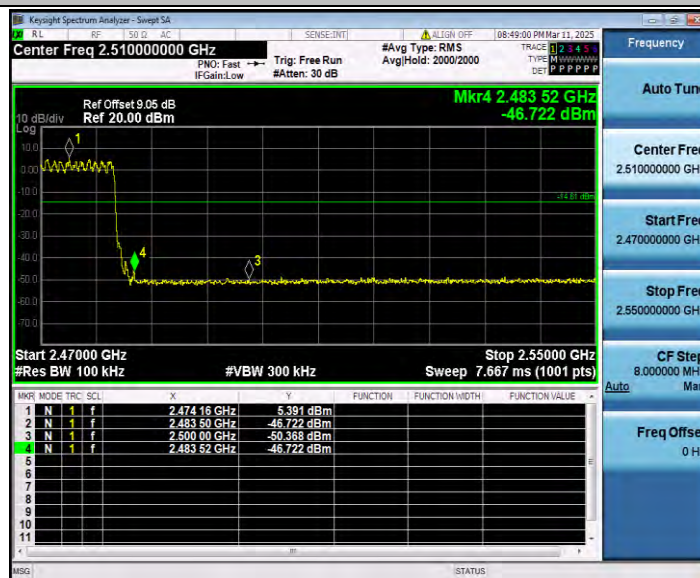
2DH1_Ant1_High_Hop_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480

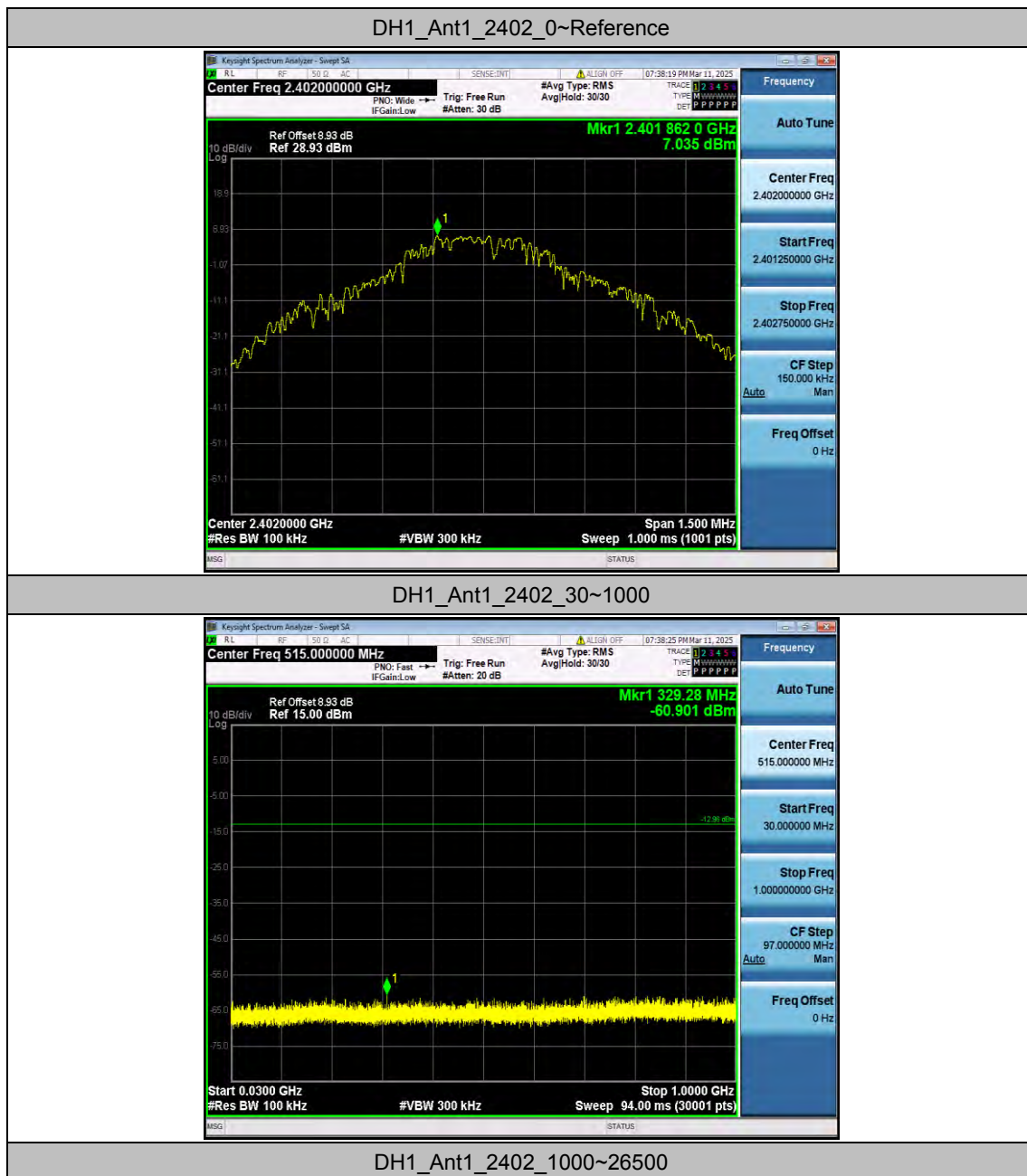


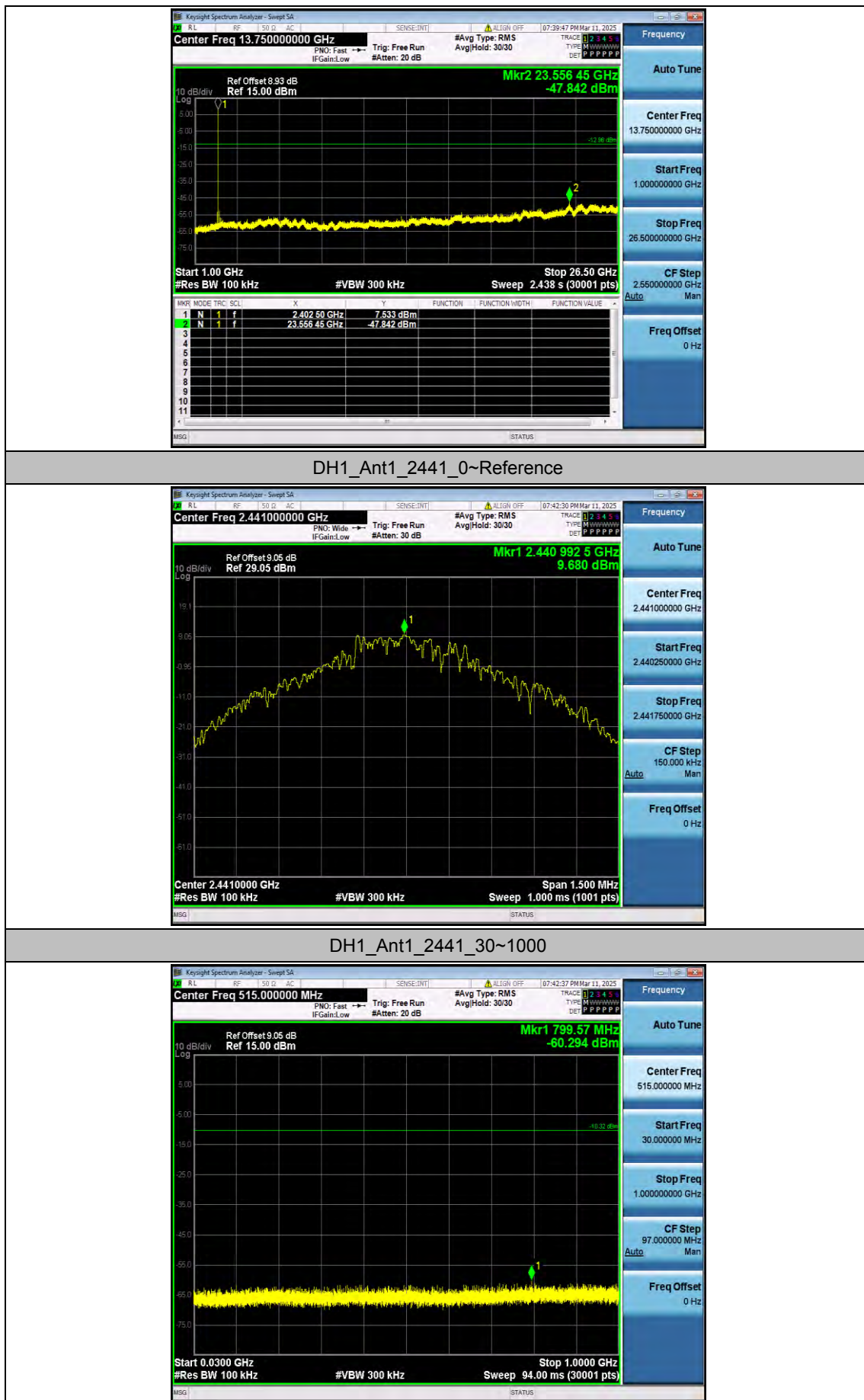
Appendix A.8: Conducted Spurious Emission

Test Result

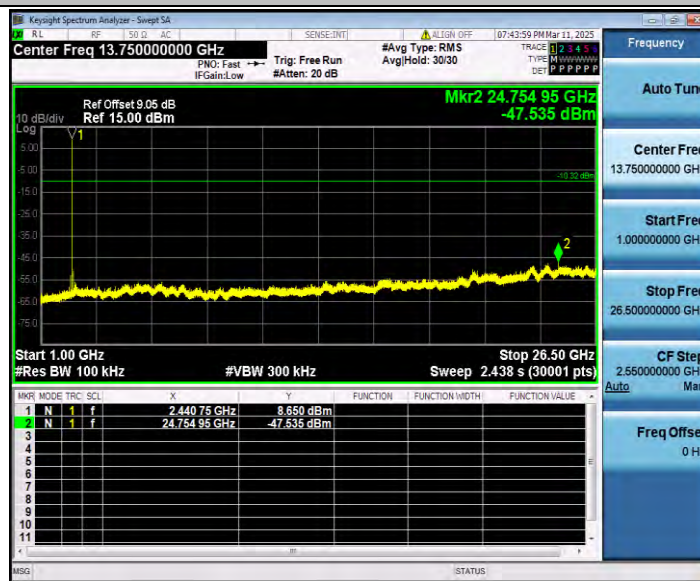
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	7.04	7.04	---	PASS
			30~1000	7.04	-60.9	≤ -12.96	PASS
			1000~26500	7.04	-47.84	≤ -12.96	PASS
		2441	Reference	9.68	9.68	---	PASS
			30~1000	9.68	-60.29	≤ -10.32	PASS
			1000~26500	9.68	-47.54	≤ -10.32	PASS
		2480	Reference	9.50	9.50	---	PASS
			30~1000	9.50	-60.79	≤ -10.5	PASS
			1000~26500	9.50	-47.77	≤ -10.5	PASS
2DH1	Ant1	2402	Reference	3.75	3.75	---	PASS
			30~1000	3.75	-60.49	≤ -16.25	PASS
			1000~26500	3.75	-47.9	≤ -16.25	PASS
		2441	Reference	4.53	4.53	---	PASS
			30~1000	4.53	-59.92	≤ -15.47	PASS
			1000~26500	4.53	-48.05	≤ -15.47	PASS
		2480	Reference	4.58	4.58	---	PASS
			30~1000	4.58	-60.8	≤ -15.42	PASS
			1000~26500	4.58	-47.67	≤ -15.42	PASS
3DH1	Ant1	2402	Reference	4.22	4.22	---	PASS
			30~1000	4.22	-60.46	≤ -15.78	PASS
			1000~26500	4.22	-47.44	≤ -15.78	PASS
		2441	Reference	5.52	5.52	---	PASS
			30~1000	5.52	-60.1	≤ -14.48	PASS
			1000~26500	5.52	-46.79	≤ -14.48	PASS
		2480	Reference	5.05	5.05	---	PASS
			30~1000	5.05	-60.87	≤ -14.95	PASS
			1000~26500	5.05	-47.25	≤ -14.95	PASS

Test Graphs





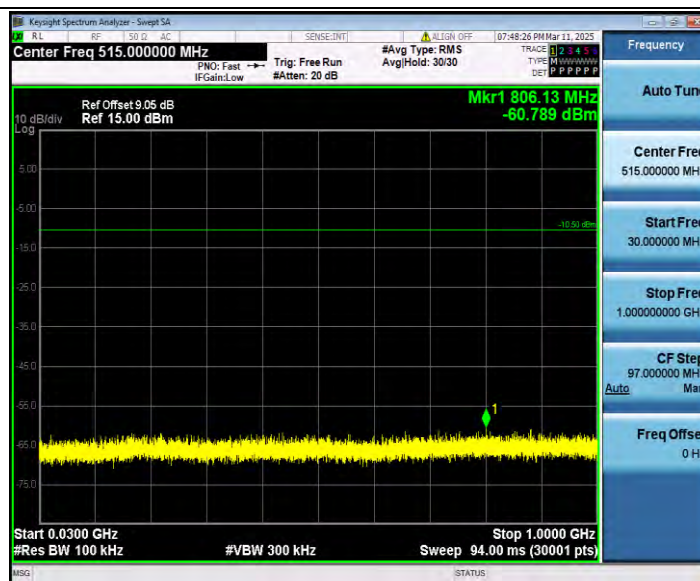
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



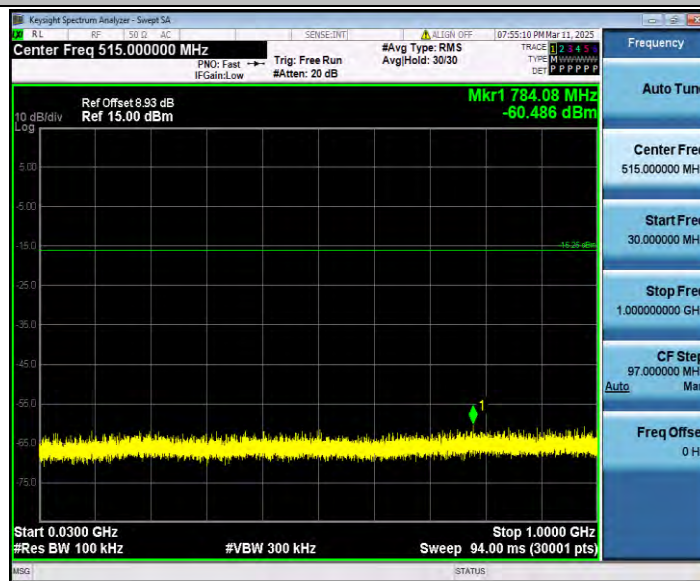
DH1_Ant1_2480_1000~26500



2DH1_Ant1_2402_0~Reference



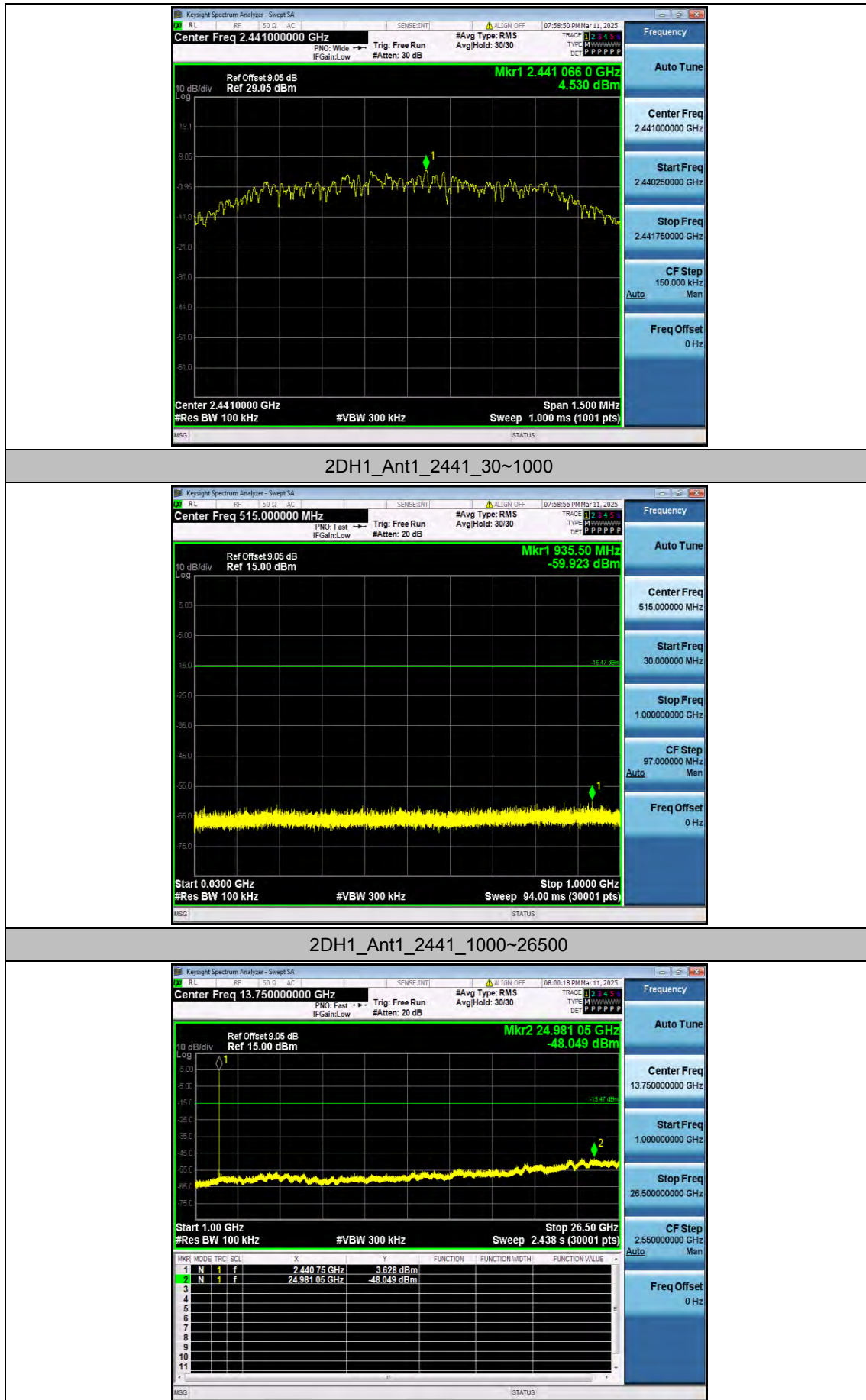
2DH1_Ant1_2402_30~1000



2DH1_Ant1_2402_1000~26500



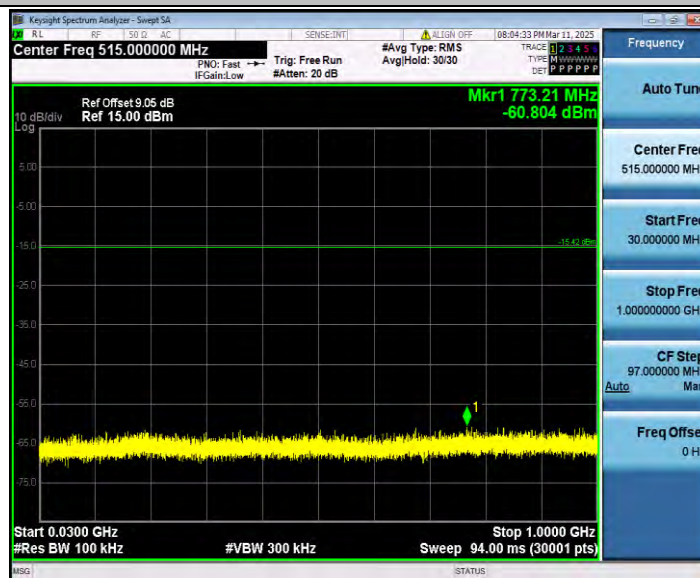
2DH1_Ant1_2441_0~Reference



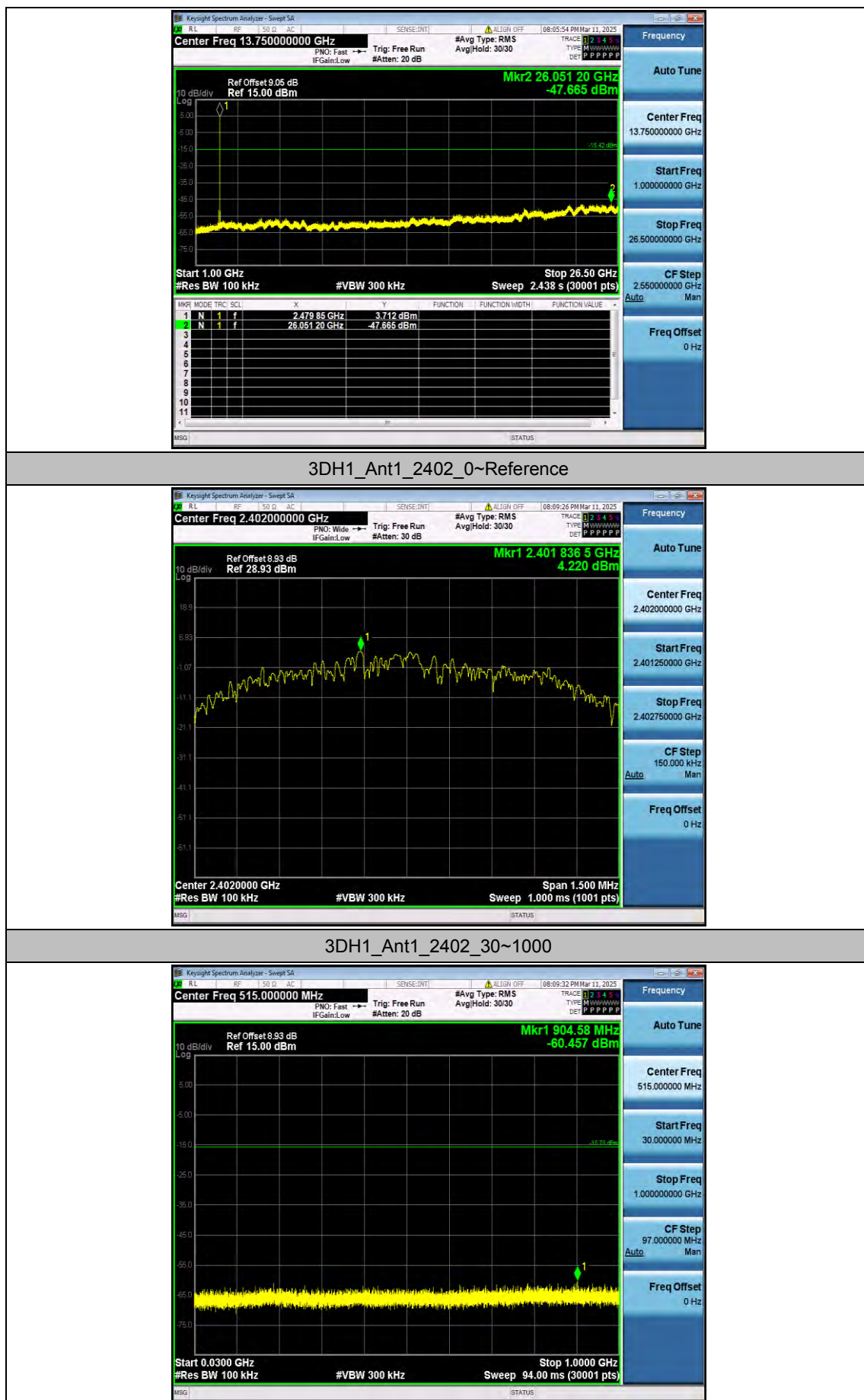
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



2DH1_Ant1_2480_1000~26500



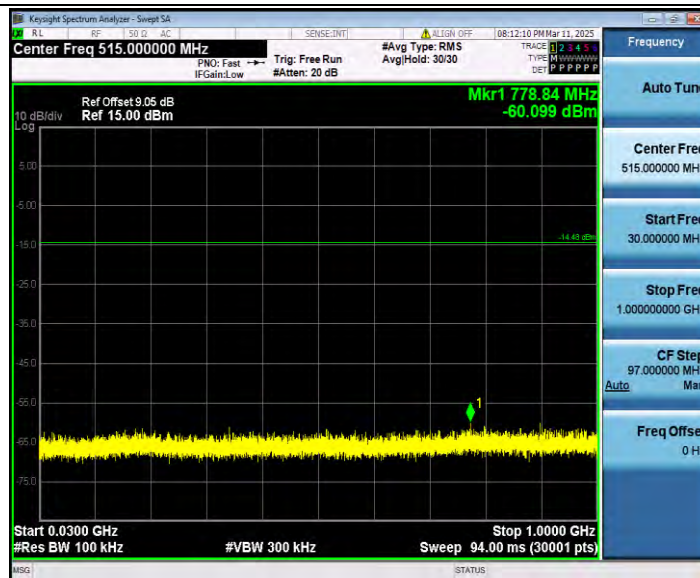
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference

